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(19) **United States**(12) **Patent Application Publication****Batra et al.**(10) **Pub. No.: US 2021/0099852 A1**(43) **Pub. Date: Apr. 1, 2021**(54) **REMOTELY-MONITORED PERSONAL SAFETY DEVICES**(71) Applicant: **SekureTrak, Inc.**, Chicago, IL (US)(72) Inventors: **Parminder K. Batra**, Chicago, IL (US); **Timothy Hansen**, St. Charles, IL (US)(21) Appl. No.: **17/039,617**(22) Filed: **Sep. 30, 2020****Related U.S. Application Data**

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(57)

**ABSTRACT**

Systems and methods for operation and wireless monitoring of personal safety devices are disclosed. A personal safety device comprises processing circuitry, a radio transmitter, a multi-part button, at least one motion-or-position sensing device, a haptic motor, and an indicator light each coupled to the processing circuitry. The processing circuitry periodically broadcasts signals in a wireless beacon format via the radio transmitter including a unique identifier associated with the personal safety and additional information indicating a current state of the personal safety device. A server receives the signals, determines the location of the personal safety device, and provides notifications of the status of the personal safety device to users via a user interface.

